
Subject: Re: how to get an array of variable length arrays

Posted by [sjt](#) on Mon, 28 Nov 1994 09:43:21 GMT

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greec@essex.ac.uk wrote:

: Does anyone know how you can create an array of
variable length : arrays?.

: e.g in C you could do it like this:

: float a[10],b[5],c[14];

: float *arrays[3];

: arrays[0]=a; arrays[1]=b; arrays[2]=c;

: Thanks in advance for any help you can give.

: Chris

: greec@essex.ac.uk

The only thing I can think of would be to use a structure: e.g. for you
example

```
a = fltarr(10)
```

```
b = fltarr(5)
```

```
c = fltarr(14)
```

```
arrays = {f1:a, f2:b, f3:c}
```

You can then access the fields numerically by using the form:

```
val = arrays.(n)(m)
```

But you can't then replace the f3 field with a 6 element array, you would
have to make a new structure.

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```
+-----+-----+-----+
| James Tappin,      | School of Physics & Space Research | O__  |
| sjt@xun8.sr.bham.ac.uk | University of Birmingham      | -- V` |
| "If all else fails--read the instructions!"      |      |
+-----+-----+-----+
```